

9/11/03

W1159-01EY

INFORMATION UNDER 37 CFR 1.56(a)
 (For Initial Filing)

The following references are submitted as information
 to comply with the duty of disclosure under 37 CFR 1.56(a):

References	Disclosed in the specification?		Copy			Translation	
	Yes	No	Enc.	Follow	Please obtain	Enc.	Not available
1. JP-A-2001-167040	<input type="radio"/>		<input type="radio"/>			<input type="radio"/>	(only abstract)
2. JP-A-2001-337868	<input type="radio"/>		<input type="radio"/>			<input type="radio"/>	(only abstract)
3. U.S. Patent application publication US2001/0014956A1	<input type="radio"/>		X				
4. JP-A-9-330184		<input type="radio"/>	<input type="radio"/>			<input type="radio"/>	(only abstract)
5.							
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03/08/06

**FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

500.43116X00

SERIAL NO.

10/659,398

APPLICANT

K. SUZUKI, et al

FILING DATE

September 11, 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER									DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2	0	1	8	9	8	1	1					
N. M.	2003									10/03	Peeke et al			
N. M.	2003	2	0	1	3	5	5	7	7	7/03	Weber et al			
N. M.	2004	2	0	1	1	7	5	1	7	6/04	Beauchamp et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT		
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N. M.	2002	2	1	5	0	7	4	6		5/02	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N. M.	ESG Product Brief EMC, March 2003, CLARiiON with ATA, pp. 1-2.
N. M.	EMC CLARiiON Backup Storage Solutions Back-up-to-Disk Guide with LEGATO Networker DiskBackup Option (DBO), Engineering White Paper, 4/8/2003, pp. 1-28.
N. M.	EMC CLARiiON Backup Storage Solutions Backup-to-disk Guide with Computer Associates' BrightStor ARCserve Backup, Engineering White Paper, 4/16/2003, pp. 1-24.
N. M.	EMC CLARiiON Backup Storage Solutions Backup-to-Disk: An Overview, Engineering White Paper, 3/3/2003, pp. 1-10.
N. M.	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide with CommVault Galaxy, Engineering White Paper, 3/3/2003, pp. 1-26.
N. M.	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide with Computer Associates BrightStor Enterprise Backup, Engineering White Paper, 4/16/2003, pp. 1-23.

EXAMINER 

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(Form PTO-1449 [6-4])

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(Form PTO-1449 [6-41])

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use several sheets if necessary)</small>		APPLICANT K. SUZUKI, et al
FILING DATE September 11, 2003		GROUP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Serial Attached SCSI and Serial ATA Compatibility, Intel, 2002, pp. 1-8.

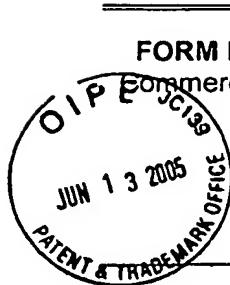
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		6	6	3	6	9	3	4					
		5	9	5	1	6	9	1	09/99	Ng et al			
		6	1	1	5	7	9	7	09/00	Kanda et al			
		6	1	7	3	3	6	0	1/01	Beardsley et al			
		6	5	5	3	4	0	8	4/03	Merrell et al			
		6	6	0	6	6	9	0	8/03	Padovano			
		6	7	7	2	3	6	5	8/04	Obara			
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FOREIGN PATENT DOCUMENTS

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N.M.		0	8	4	4	5	6	1	5/98	European			YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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N. M.	2 0 0 4	0	1	9	3	7	6	0	9/04	Matsunami et al				
N. M.	2 0 0 4	0	1	9	9	5	1	5	10/04	Penny et al				
N. M.	2 0 0 2	0	1	3	8	7	0	5	9/02	Suzuki et al				
N. M.	2 0 0 3	0	2	2	1	0	7	7	11/03	Ohno et al				
N. M.	2 0 0 4	0	0	1	0	6	6	2	1/04	Aruga				

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N.M.		2	0	1	2	8	6	2	7/04	Zayas			
N.M.		2	0	0	9	7	6	0	7	Bessire			
N.M.		2	0	0	1	0	6	6	0	Konshak et al			
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N.M.		2	0	0	7	3	7	4	7	Lu			
N.M.		2	0	1	7	7	2	1	8	9/04	Meehan et al		

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N.M.		5	6	0	3	0	0	3	2/97	Akizawa et al			
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		5	8	6	7	7	3	6	2/99	Jantz			
		5	8	8	4	0	9	8	3/99	Mason, Jr.			
		6	2	1	9	7	5	2	4/01	Sekido			
		6	2	2	3	2	4	9	4/01	Kato et al			
		6	5	4	9	9	7	8	5/03	Mansur et al			
		6	6	4	0	2	7	8	10/03	Nolan et al			
		6	6	8	4	2	9	5	1/04	Fujimoto et al			
		6	7	4	5	2	8	7	6/04	Fujimoto et al			
V		6	2	0	1	6	9	2	3/01	Gamble et al			

FOREIGN PATENT DOCUMENTS

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N.M.	20002	2	3	3	3	9	5	4	11/02	Japan			
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		6	6	2	8	5	1	3					
N.M.		6	8	3	1	8	3	9	9/03	Gallagher et al			
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		6	7	6	3	4	3	6	5/00	Beardsley et al			
		6	7	6	3	4	3	6	7/04	Gabber et al			
		6	7	9	2	4	8	6	9/04	Hanan et al			
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FOREIGN PATENT DOCUMENTS

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N.M.		0	2	1	8	8	3	5		Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N.M.	IBM Technical Disclosure Bulletin vol. 38, No. 7, July 1995 (New York), "Foreground/Background Checking of Parity in a Redundant Array of Independent Disks-5 Storage Subsystem", pp. 455-458.
N.M.	Laboratory Automation and Information Management 32, 1996, (Elsevier Science B.V.), R E Dessey, "Computer Connections", pp. 53-62.

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N.M.	6	5	0	2	1	0	8	12/02	Day, III, et al			
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	2	0	0	0	7	4	6	9	Taketa et al			
	2	0	0	4	0	4	1	3	Okada et al			
	6	1	5	4	8	5	0	11/00	Idleman et al			
✓	6	4	0	0	7	3	0	6/02	Latif, et al			

FOREIGN PATENT DOCUMENTS

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N.M.	2	1	4	2	6	5	0	5/01	Japan			

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N. M.		2	0	0	9	7	5	0	4	5/03	Oeda et al			
		0	0	0	0	0	0	3	7	6/03	Tomita			
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		0	0	0	9	6	0	0	2	10/03	Nakayama et al			
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N.M.	20001	0046118	Yamanashi et al			
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	20001	0056527	Ninomiya et al			
	20002	0162057	Talagala			
	20003	0412011	Rauscher			
	20003	0172150	Kennedy			
4	20004	0117534	Parry et al			

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	0	0	2	6	7	5	1	6	12/04	Jibbe et al			
	0	0	0	2	7	9	0	0	2/05	Pettey			

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D. M.		2	0	2	3	1	4	2	0	12/03	Kano et al			
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		0	0	1	6	9	9	9	6	9/04	Paul et al			
		0	0	0	1	9	5	0	9	9/01	Aho et al			
		0	0	0	4	6	4	6	0	3/03	Inoue et al			
		0	0	1	3	9	2	6	0	7/04	Steinmetz			
		0	0	0	4	8	3	2	9	7/04	Ogasawara et al			
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N.M.	2 0 0 0 2	4/02	Furuya et al			
	2 0 0 0 2	10/02	Li et al			
	2 0 0 0 3	7/03	Morrison et al			
	2 0 0 0 3	9/03	Talagala et al			
	2 0 0 0 3	5/03	Rietze et al			
	2 0 0 0 4	6/04	Mimatsu et al			
	2 0 0 0 4	12/04	Buchanan, Jr. et al			
↓	2 0 0 0 4	12/04	Satoyama et al			

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September 11, 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D. IF APPROP
N. M.	2 0 0 3	11/03	Ellis			
	2 0 0 4	7/04	Steinmetz			
	2 0 0 4	7/04	Steinmetz			
	2 0 0 4	11/04	Suzuki et al			
	2 0 0 3	6/03	Fujie et al			
	5	12/98	Yorimitsu			
✓	2 0 0 3	8/03	Bolt, et al			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of
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ATTY. DOCKET NO.

SERIAL NO.

500.43116X00

10/659,398

APPLICANT
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING IF APPROF
N.M.	20002	2	0	1	4	4	0	4	8	10/02	Bolt, et al			
	20002	2	0	1	4	7	9	4	5	10/02	Fox et al			
	20004	2	0	1	5	3	6	1	4	5/04	Bitner et al			
	20003	2	0	1	6	3	6	3	9	8/03	Baum			
		5	8	3	2	2	0	4	11/98	Apperley et al				
		6	2	4	0	4	8	6	5/01	Ofek et al				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRA
N.M.		5	1	5	0	9	0	9	6/93	Japan				YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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**INFORMATION DISCLOSURE
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N. M	6 4 4 9 7 0 9	09/02	Gates			
	6 6 8 4 2 9 5	1/04	Fujimoto et al			
	6 7 4 5 2 8 7	6/04	Fujimoto et al			
2003	0 1 1 0 3 3 0	06/03	Fujie et al			
2003	0 2 1 2 8 5 9	11/03	Ellis et al			
2003	0 2 2 1 0 6 1	11/03	EI-Batal et al			
2003	0 0 4 1 2 7 8	2/03	Lin			
2004	0 0 7 8 7 0 7	04/04	Apperley et al			
2004	0 0 1 0 6 6 0	1/04	Konshak			

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N.M.	1	2 0 0 4	0	1	1	1	5	6	0		Takase et al			
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FOREIGN PATENT DOCUMENTS

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	2	2 0 0 2	3	3	3	9	5	4		11/02	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N.M.	EMC 2-Gigabit Disk-Array Enclosure EMC Corporation (DAE2), FC and ATA Models, Hardware Reference P/N 014003048, Rev A02
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A circular stamp from the Oficina Intercalar de Patentes y Marcas (OIPE) in Mexico. The outer ring contains the text "O I P E" at the top and "PATENT & TRADEMARK OFFICE" at the bottom. The center of the stamp contains the date "JUL 25 2015" and the identifier "JCG8".

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FOREIGN PATENT DOCUMENTS

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N.M.		9	3	3	0	1	8	2	12/97	Japan				XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
N.M.	2 0 0 5	06/05	Kano et al			
	2 0 0 5	06/05	Kano et al			
	2 0 0 5	06/05	Kano et al			
	2 0 0 5	7/05	Kano et al			
▼	6 2 8 2 6 0 2	8/01	Blumenau et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
						YES NO

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				FILING DATE September 11, 2003	GROUP

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EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
N.M.	AA 2002/0069317	06/06/02	Chow et al			
	AB 2002/0069334	6/06/02	Hsia et al			
	AC 2003/0031187	02/13/03	Heffernan et al			
	AD 2003/00221061	11/27/03	El-Batal et al			
	AE 2004/0010660	01/15/04	Konshak et al.			
	AF 2004/0034731	02/19/04	Sivertsen			
	AG 2004/0193791	09/30/04	Felton et al			
	AH 2004/0148460	07/29/04	Steinmetz et al			
	AI 6,834,326	12/21/04	Wang et al			
	AJ 2005/0097132	05/05/05	Cochran et al			
↓	AK 2005/0138154	06/23/05	Seto			

FOREIGN PATENT DOCUMENTS

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AM						<input type="checkbox"/> <input type="checkbox"/>
AN						<input type="checkbox"/> <input type="checkbox"/>
AO						<input type="checkbox"/> <input type="checkbox"/>
AP						<input type="checkbox"/> <input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

N.M.	AR	SGI InfiniteStorage TP9300S Storage Array, Data Sheet, available at:
		http://www.sgi.com/pdfs/3643.pdf
	AS	Adaptec FS4500 Fibre to SATA RAID, Data Sheet, available at:
		http://www.sunstarco.com/PDF%20files/Adaptec%20FS4500%20SATA.pdf
↓	AT	Infortrend EonStor A16F-R1211/S1211 FC-to-SATA RAID Subsystem product
		information, available at: http://www.infortrend.com/2_product/a16f-r(s)1211.asp

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>03.08.06</i>
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LIST OF DOCUMENTS CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT K. SUZUKI, et al	
		FILING DATE September 11, 2003	GROUP

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AA						
AB						
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FOREIGN PATENT DOCUMENTS

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AP						<input type="checkbox"/> <input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

N.M.	AR	Synetic Inc., SyneRAID -800SA, SCSI/Fibre-toSATA RAID Subsystem product information, available at:
		http://www.synetic.net/Synetic-Products/SyneRAID-Units/SyneRAID-800SATA/SyneRAID-800SA.html
N.M.	AS	"SATA Disk System and Expansion of Unit offer 3.5 TB storage",
		Product News Network, Nov. 1, 2004.
	AT	

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03/08/05

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		FILING DATE September 11, 2003	GROUP 2187

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EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
N.M.	AA 6,763,409	07/13/04	Elliott, Stephen J.			
	AB 5,812,754	09/22/98	Liu et al			
	AC 5,432,046	06/06/95	Nunnelley et al			
	AD 5,848,282	12/08/98	Kang et al			
	AE 2002/062454	05/23/02	Fung, Henry T.			
	AF 5,805,788	09/08/98	Johnson			
V	AG 2004/0221101	11/04/04	Voorhees et al			
AH						
AI						
AJ						
AK						

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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>
N.M.	AL 2002/333954	11/22/02	JP (with English Abstract)			<input type="checkbox"/> <input type="checkbox"/>
N.M.	AM 0795824	09/17/97	EP			<input type="checkbox"/> <input type="checkbox"/>
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	AO					<input type="checkbox"/> <input type="checkbox"/>
	AP					<input type="checkbox"/> <input type="checkbox"/>

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N.M.	AR	Judd, Ian, "Device Services Interface", Online, June 19, 1996, pp. 1-8.
N.M.	AS	"Veritas Volume Manager Storage Administrator 3.2, Administrator's Guide", Veritas Software Corporation, Online, July, 2001, pp. 1-184.
	AT	
EXAMINER		DATE CONSIDERED 03/08/06

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